

# FANCD2 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide derived from within residues 1200 - 1300 of Human FANCD2.
Form	Liquid
Concentration	1.2 mg/mL
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_10980774

Applications	Tested Dilution	Publications
Western Blot (WB)	1-5 µg/mL	-

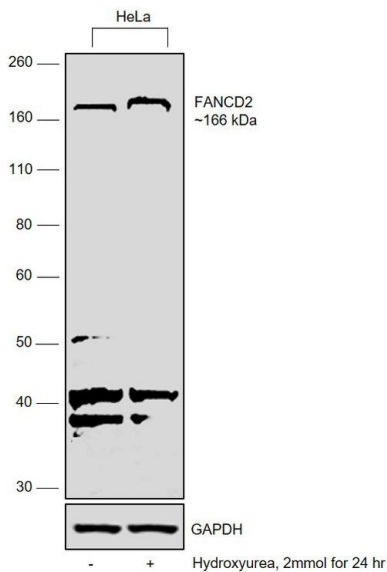
## Product Specific Information

For Western Blot, this antibody has non-specific bands at 110 kDa,41 kDa and 71 kDa.

Product Images For FANCD2 Polyclonal Antibody

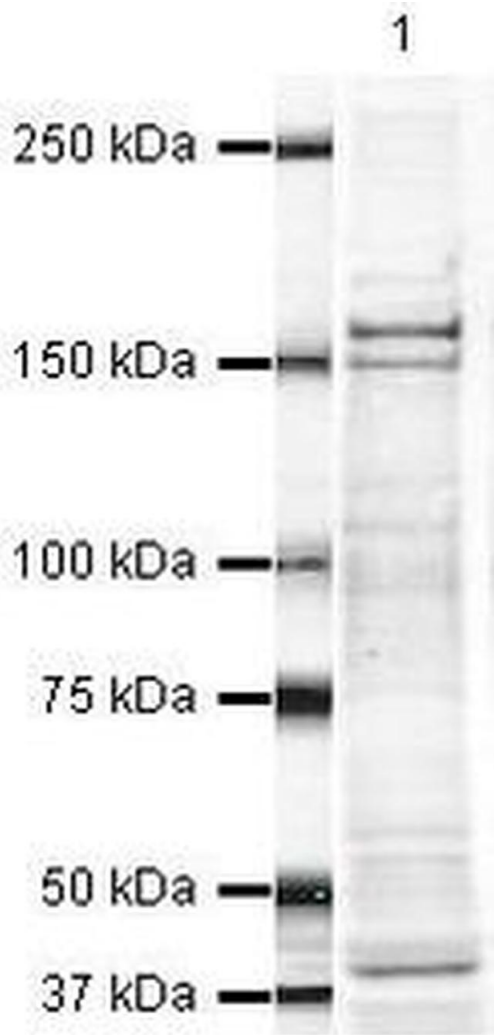
FANCD2 Antibody (PA5-19575) in WB

Western blot was performed using Anti-FANCD2 Polyclonal Antibody (Product # PA5-19575) and a 166 kDa band corresponding to FANCD2 in HeLa and HeLa treated with Hydroxyurea treatment along with an uncharacterized band at ~40 kDa. Modified whole cell extracts (1% SDS) (40 µg lysate) of HeLa (Lane 1) and HeLa treated with Hydroxyurea (2 mmol for 24 Hours) (Lane 2) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1.5 µg/mL dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005). Hydroxyurea increases FANCD2 levels in HeLa and also causes its monoubiquitination, observed as a slight shift in molecular weight.



FANCD2 Antibody (PA5-19575) in WB

Western blot analysis of HeLa Whole Cell Lysate using Product # PA5-19575, FANCD2 primary antibody at a dilution of 1 µg/mL. Blot treated with a secondary IR Dye680-conjugated Goat polyclonal anti-Rabbit antibody was used at a dilution of 1:10000.



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